

#6



OIPE

ENTERED

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/076,117

TIME: 15:51:08

Input Set : A:\8002073999.txt

Output Set: N:\CRF4\10012002\J076117.raw

```

4 <110> APPLICANT: Bermudes, D.
5      King, I.
6      Clairmont, C.
8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DELIVERY OF AN AGENT
9      USING ATTENUATED SALMONELLA CONTAINING PHAGE
11 <130> FILE REFERENCE: 8002-073
13 <140> CURRENT APPLICATION NUMBER: 10/076,117
14 <141> CURRENT FILING DATE: 2002-02-13
16 <150> PRIOR APPLICATION NUMBER: 09/645,418
17 <151> PRIOR FILING DATE: 2000-08-24
19 <150> PRIOR APPLICATION NUMBER: 60/150,928
20 <151> PRIOR FILING DATE: 1999-08-26
22 <160> NUMBER OF SEQ ID NOS: 14
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 23
28 <212> TYPE: PRT
29 <213> ORGANISM: Bacteriophage
31 <400> SEQUENCE: 1
32   Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
33     1           5           10           15
34   Met Ile Asp Gly Gly Cys
35           20
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 24
39 <212> TYPE: PRT
40 <213> ORGANISM: Bacteriophage
42 <400> SEQUENCE: 2
43   Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
44     1           5           10           15
45   Met Ile Asp Gly Trp Tyr Gly Cys
46           20
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 63
50 <212> TYPE: DNA
51 <213> ORGANISM: Bacteriophage
53 <220> FEATURE:
54 <221> NAME/KEY: CDS
55 <222> LOCATION: (1) .. (63)
57 <400> SEQUENCE: 3
58   atg aaa aag aca gct atc gcg att gca gtg gca ctg gct ggt ttc gct 48
59   Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
60     1           5           10           15

```

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/076,117

TIME: 15:51:08

Input Set : A:\8002073999.txt

Output Set: N:\CRF4\10012002\J076117.raw

```

63  acc gta gcg cag gcc                                63
64  Thr Val Ala Gln Ala
65                      20
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 21
69 <212> TYPE: PRT
70 <213> ORGANISM: Bacteriophage
72 <400> SEQUENCE: 4
73  Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
74    1          5          10          15
75  Thr Val Ala Gln Ala
76                      20
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 63
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: modified ompA signal
85  peptide
87 <220> FEATURE:
88 <221> NAME/KEY: CDS
89 <222> LOCATION: (1) .. (63)
91 <400> SEQUENCE: 5
92  atg aaa aag acg gct ctg gcg ctt ctg ctc ttg ctg tta gcg ctg act  48
93  Met Lys Lys Thr Ala Leu Ala Leu Leu Leu Leu Leu Ala Leu Thr
94    1          5          10          15
96  agt gta gcg cag gcc                                63
97  Ser Val Ala Gln Ala
98                      20
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 21
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: modified ompA signal
107  peptide
109 <400> SEQUENCE: 6
110  Met Lys Lys Thr Ala Leu Ala Leu Leu Leu Leu Leu Ala Leu Thr
111    1          5          10          15
112  Ser Val Ala Gln Ala
113                      20
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 64
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: template
123 <400> SEQUENCE: 7
124  gcgtcgacca aggaggtcta gataacgagg gcaaaaaatg aaaaagacgg ctctggcgct  60

```

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/076,117

TIME: 15:51:08

Input Set : A:\8002073999.txt

Output Set: N:\CRF4\10012002\J076117.raw

```

125 tctg 64
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 42
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: template
135 <400> SEQUENCE: 8
136 gcgaattcga tatcttcagt taacgtgcta atgatcgatt gg 42
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 9
140 <212> TYPE: PRT
141 <213> ORGANISM: L. monocytogenes
143 <400> SEQUENCE: 9
144 Gly Tyr Lys Asp Gly Asn Glu Tyr Ile
145 1 5
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 99
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: LL0 91-99 Peptide
154 Construct
156 <400> SEQUENCE: 10
157 gccaccatga ctagtaatgt gccgccgcgt aaagggttaca aagatggtaa tgaatatatc 60
158 gttgtggaga aaaagaaata ggcggccgca aaaggaaaa 99
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 98
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: LL0 91-99 Peptide
167 Construct
169 <400> SEQUENCE: 11
170 ttttcctttg cggccgccta tttctttttc tccacaacga tatattcatt accatctttg 60
171 taacctttac gcggcggcac attactagtc atggtggc 98
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 30
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
181 <400> SEQUENCE: 12
182 gatcagatct tatggccgca aaaaacgcgg 30
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 43
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:

```

DATE: 10/01/2002

TIME: 15:51:08

Input Set : A:\8002073999.txt

Output Set: N:\CRF4\10012002\J076117.raw

190 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer

192 <400> SEQUENCE: 13

193   tatggccgca aaaaacgccg tcagcgccgt cgcgagctcg atc                      43

195 <210> SEQ ID NO: 14

196 &lt;211&gt; LENGTH: 49

197 <212> TYPE: DNA

198 <213> ORGANISM: Artificial Sequence

200 &lt;220&gt; FEATURE:

201 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer

203 <400> SEQUENCE: 14

204 gatcagatct catcaccatc accaccatta tggccgcaaa aaacgccgt 49

**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/076,117**

**DATE: 10/01/2002**

**TIME: 15:51:09**

**Input Set : A:\8002073999.txt**

**Output Set: N:\CRF4\10012002\J076117.raw**